

IN THE CLAIMS:

1. (Original) A device for pulling single crystals, comprising a crucible with a support, a heater and at least one heat-insulating screen, characterized in that the heater is made of a starting flexible carbon-bearing material in the form of a cylinder whose ends are fixed between coaxially arranged rigid rings of carbon material that are connected to a power supply, wherein
5 the heater is made so that the wall thereof has its thickness determined from the relationship:

$$\delta \cdot \rho \cdot c = 500 \text{ to } 8500 \text{ J/m}^2\text{K}, \text{ wherein:}$$

δ - heater wall thickness, m;

ρ - density of the material the heater is made of, kg/m³; and

c - specific heat of the material the heater is made of (at working temperature), J/kg.K.

2. (Original) The device according to claim 1, characterized in that the rings of carbon material are connected to the power supply through heat-insulating screens.

3. (Currently Amended) The device according to claim 1-~~or 2~~, characterized in that a layer of silicon nitride is provided on the heater surface on the inner and/or outer side thereof.

4. (Currently Amended) The device according to ~~any of claims~~ claim 1-3, characterized in that the crucible or the support is made of silicon nitride.

5. (Currently Amended) The device according to ~~any of claims~~ claim 1-3, characterized

in that the crucible and the support are made of silicon nitride so as to be integral with one another.

6. (Currently Amended) The device according to ~~any of claims~~ claim 1–5, characterized in that the carbon-bearing material of the heater is further sealed with pyrolytic carbon and/or silicon carbide.

7. (Currently Amended) The device according to ~~any one of claims~~ claim 1–6, characterized in that it further comprises a heat-insulator of fabric and/or felt made of silica or quartz fibers.